

R-FX-N-L

NYLON HAMMER-IN FIXING
WITH COUNTERSUNK HEAD

The hammer fixing made from best quality nylon
for fast, simple, cost-effective installations



SOLID WALLS



FEATURES AND BENEFITS

The extensive range of product lengths, diameters and head types ensures availability of the correct fixing for every scenario

The funnel-shaped collar ensures a neat finish and covers hole imperfections

The combination of a Pozidriv recess and a helical thread facilitates disassembly and allows the nail to be removed when necessary

A minimum of 5 micron zinc plating for optimal corrosion protection

Designed for through installation

Hammer installation reduces installation time and enables efficient series installation

The nylon material ensures high quality and durability of the product

BASE MATERIAL



Concrete



Aerated concrete



Solid brick



Lightweight concrete block



Solid sand-lime brick



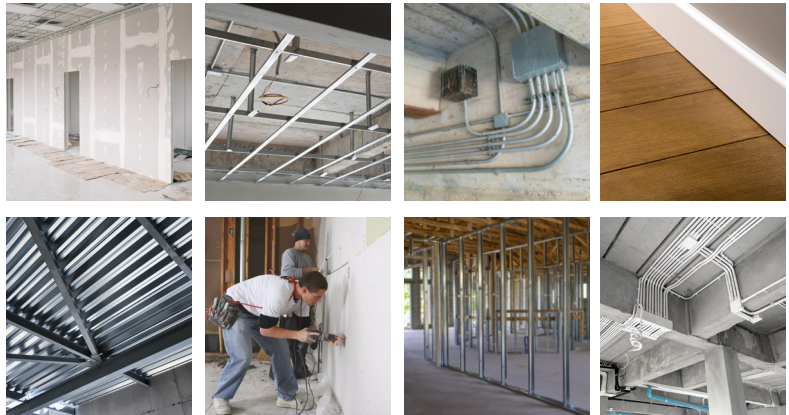
Hollow lightweight concrete block



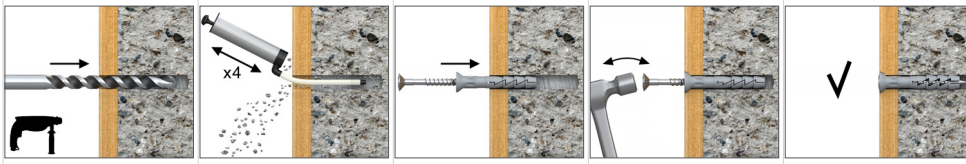
Nylon Hammer-in fixings provide quick and economical installation while maintaining the highest durability. Their aesthetic finish, easy removal, and corrosion resistance make them an ideal solution for professional and mass installations.

APPLICATIONS

- Electrical Installations
- Frames, profiles, slats
- Plasterboard systems
- Plinths and finishing profiles
- Profiled and cover sheets
- Sanitary and gas installations
- Cable clamps

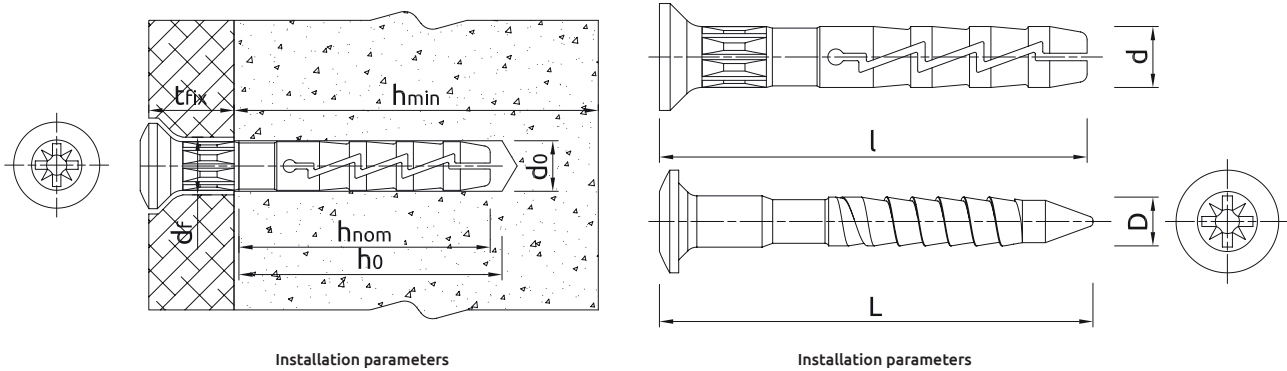


INSTALLATION GUIDE



1. Drill a hole of required diameter.
2. Insert FX plug into hole through fixture.
3. Hammer the nail into the plastic sleeve until fixing is secure and flush with the fixture.

INSTALLATION DATA



| Size | | | Ø5 | Ø6 | Ø8 |
|---------------------------------|------------------|------|-------------------|-------------------|-------------------|
| Fixing diameter | d | [mm] | 5 | 6 | 8 |
| Hole diameter in substrate | d ₀ | [mm] | 5 | 6 | 8 |
| Min. hole diameter in substrate | h ₀ | [mm] | 30 | 35 | 45 |
| Min. installation depth | h _{nom} | [mm] | 25 | 29 | 40 |
| Min. substrate thickness | h _{min} | [mm] | 100 ¹⁾ | 100 ¹⁾ | 100 ¹⁾ |
| Min. spacing | s _{min} | [mm] | 100 ¹⁾ | 100 ¹⁾ | 100 ¹⁾ |
| Min. edge distance | c _{min} | [mm] | 100 ¹⁾ | 100 ¹⁾ | 100 ¹⁾ |

1) According to National Technical Assessments data can vary

PRODUCT INFORMATION

| Size | Product | Plug | | Nail | | Fixture | | Diameter d _f [mm] |
|------|---------------|-----------------------|---------------------|-----------------------|---------------------|--|---|------------------------------------|
| | | Diameter d [mm] | Length l [mm] | Diameter D [mm] | Length L [mm] | Max. thickness t _{fix} [mm] | Hole diameter d _f [mm] | |
| | | Ø05 | R-FX-N-05L025 | 4.9 | 25 | 3.3 | 28 | 1 |
| Ø05 | R-FX-N-05L030 | 4.9 | 30 | 3.3 | 33 | 5 | 6 | 8.5 |
| Ø05 | R-FX-N-05L035 | 4.9 | 35 | 3.3 | 38 | 10 | 6 | 8.5 |
| Ø05 | R-FX-N-05L040 | 4.9 | 40 | 3.3 | 43 | 15 | 6 | 8.5 |
| Ø05 | R-FX-N-05L050 | 4.9 | 50 | 3.3 | 54 | 25 | 6 | 8.5 |
| Ø06 | R-FX-N-06L035 | 5.9 | 35 | 3.8 | 39 | 6 | 7 | 10 |
| Ø06 | R-FX-N-06L040 | 5.9 | 40 | 3.8 | 44 | 11 | 7 | 10 |
| Ø06 | R-FX-N-06L050 | 5.9 | 50 | 3.8 | 54 | 21 | 7 | 10 |
| Ø06 | R-FX-N-06L055 | 5.9 | 55 | 3.8 | 59 | 26 | 7 | 10 |
| Ø06 | R-FX-N-06L060 | 5.9 | 60 | 3.8 | 64 | 31 | 7 | 10 |
| Ø06 | R-FX-N-06L080 | 5.9 | 80 | 3.8 | 84 | 51 | 7 | 10 |
| Ø08 | R-FX-N-08L045 | 7.9 | 45 | 4.8 | 51 | 5 | 9 | 11.5 |
| Ø08 | R-FX-N-08L060 | 7.9 | 60 | 4.8 | 66 | 20 | 9 | 11.5 |
| Ø08 | R-FX-N-08L080 | 7.9 | 80 | 4.8 | 86 | 40 | 9 | 11.5 |
| Ø08 | R-FX-N-08L100 | 7.9 | 100 | 4.8 | 106 | 60 | 9 | 11.5 |
| Ø08 | R-FX-N-08L120 | 7.9 | 120 | 4.8 | 126 | 80 | 9 | 11.5 |
| Ø08 | R-FX-N-08L140 | 7.9 | 140 | 4.8 | 146 | 100 | 9 | 11.5 |
| Ø08 | R-FX-N-08L160 | 7.9 | 160 | 4.8 | 166 | 120 | 9 | 11.5 |

BASIC PERFORMANCE DATA

Performance data for single fixing without influence of edge distance and spacing

| Size | | Ø5 | Ø6 | Ø8 |
|---|------|------|------|------|
| Embedment depth | [mm] | 25 | 29 | 40 |
| CHARACTERISTIC LOAD | | | | |
| TENSION LOAD N_{Rk} | | | | |
| Concrete C12/15 | [kN] | 0.20 | 0.20 | 0.30 |
| Concrete C20/25 - C50/60 | [kN] | 0.30 | 0.30 | 0.50 |
| Solid ceramic brick min. 30 MPa | [kN] | 0.20 | 0.20 | 0.50 |
| Solid ceramic brick min. 15 MPa ¹⁾ | [kN] | 0.40 | 0.40 | 0.90 |
| Solid silicate brick min. 20 MPa | [kN] | 0.20 | 0.40 | 0.40 |
| Solid silicate brick min. 15 MPa ¹⁾ | [kN] | 0.40 | 0.50 | 1.20 |
| Silicate hollow block min. 12 MPa | [kN] | 0.30 | 0.30 | - |
| Silicate hollow block min. 15 MPa ¹⁾ | [kN] | 0.30 | 0.50 | - |
| Hollow blocks of lightweight aggregate concrete min. 2 MPa ¹⁾ | [kN] | 0.20 | 0.30 | 0.60 |
| Solid masonry units of lightweight aggregate concrete min. 20 MPa ¹⁾ | [kN] | 0.40 | 0.50 | 1.20 |
| Lightweight concrete hollow block Hbl min. 2 MPa | [kN] | 0.20 | 0.30 | 0.30 |
| Lightweight concrete block LAC 20 | [kN] | 0.20 | 0.30 | 0.50 |
| Autoclaved aerated concrete AAC 2 | [kN] | - | 0.10 | 0.10 |
| DESIGN LOAD | | | | |
| TENSION LOAD N_{Rd} | | | | |
| Concrete C12/15 | [kN] | 0.10 | 0.10 | 0.15 |
| Concrete C20/25 - C50/60 | [kN] | 0.15 | 0.15 | 0.25 |
| Solid ceramic brick min. 30 MPa | [kN] | 0.10 | 0.10 | 0.25 |
| Solid ceramic brick min. 15 MPa ¹⁾ | [kN] | 0.16 | 0.16 | 0.36 |
| Solid silicate brick min. 20 MPa | [kN] | 0.10 | 0.20 | 0.20 |
| Solid silicate brick min. 15 MPa ¹⁾ | [kN] | 0.16 | 0.20 | 0.48 |
| Silicate hollow block min. 12 MPa | [kN] | 0.15 | 0.15 | - |
| Silicate hollow block min. 15 MPa ¹⁾ | [kN] | 0.12 | 0.20 | - |
| Hollow blocks of lightweight aggregate concrete min. 2 MPa ¹⁾ | [kN] | 0.08 | 0.12 | 0.24 |
| Solid masonry units of lightweight aggregate concrete min. 20 MPa ¹⁾ | [kN] | 0.16 | 0.20 | 0.48 |
| Lightweight concrete hollow block Hbl min. 2 MPa | [kN] | 0.10 | 0.15 | 0.15 |
| Lightweight concrete block LAC 20 | [kN] | 0.10 | 0.15 | 0.25 |
| Autoclaved aerated concrete AAC 2 | [kN] | - | 0.05 | 0.05 |
| OREDOMMENDED LOAD | | | | |
| TENSION LOAD N_{Rec} | | | | |
| Concrete C12/15 | [kN] | 0.07 | 0.07 | 0.11 |
| Concrete C20/25 - C50/60 | [kN] | 0.11 | 0.11 | 0.18 |
| Solid ceramic brick min. 30 MPa | [kN] | 0.07 | 0.07 | 0.18 |
| Solid ceramic brick min. 15 MPa ¹⁾ | [kN] | 0.11 | 0.11 | 0.26 |
| Solid silicate brick min. 20 MPa | [kN] | 0.07 | 0.14 | 0.14 |
| Solid silicate brick min. 15 MPa ¹⁾ | [kN] | 0.11 | 0.14 | 0.34 |
| Silicate hollow block min. 12 MPa | [kN] | 0.11 | 0.11 | - |
| Silicate hollow block min. 15 MPa ¹⁾ | [kN] | 0.09 | 0.14 | - |
| Hollow blocks of lightweight aggregate concrete min. 2 MPa ¹⁾ | [kN] | 0.06 | 0.09 | 0.17 |
| Solid masonry units of lightweight aggregate concrete min. 20 MPa ¹⁾ | [kN] | 0.11 | 0.14 | 0.34 |
| Lightweight concrete hollow block Hbl min. 2 MPa | [kN] | 0.07 | 0.11 | 0.11 |
| Lightweight concrete block LAC 20 | [kN] | 0.07 | 0.11 | 0.18 |
| Autoclaved aerated concrete AAC 2 | [kN] | - | 0.04 | 0.04 |

1) Data according to regional approval KOT-2019-0762













LOGISTICAL DATA 

| SKU | Base-sales unit | Unit pack | Bulk pack | Pallet | Single Package - Gross Weight | Bulk Package - Gross Weight | Palette - Gross Weight | Barcode |
|--------------------|-----------------|-----------|-----------|--------|-------------------------------|-----------------------------|------------------------|---------------|
| R-C11-FX-N-06L040 | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675533599 |
| R-C11-FX-N-08L080 | op | 6 | 6 | 144 | 8,37 | 8,37 | 200,88 | 5906675533605 |
| R-C1-FX-N-06L040 | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675384023 |
| R-C1-FX-N-06L040PL | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675446585 |
| R-C1-FX-N-06L060 | op | 6 | 6 | 144 | 12,37 | 12,37 | 296,76 | 5906675384047 |
| R-C1-FX-N-08L060 | op | 6 | 6 | 144 | 8,60 | 8,60 | 206,35 | 5906675527550 |
| R-C1-FX-N-08L080 | op | 6 | 6 | 144 | 8,37 | 8,37 | 200,88 | 5906675527567 |
| R-C1-FX-N-08L100 | op | 6 | 6 | 144 | 7,12 | 7,12 | 170,78 | 5906675527574 |
| R-C3-FX-N-08L060 | op | 6 | 6 | 144 | 8,60 | 8,60 | 206,35 | 5906675530253 |
| R-FX-N-05L025 | sz | 100 | 2400 | 57600 | 0,25 | 6,28 | 142,27 | 5906675177045 |
| R-FX-N-05L030 | sz | 100 | 3200 | 76800 | 0,27 | 8,88 | 213,00 | 5906675177069 |
| R-FX-N-05L030W | sz | 100 | 3200 | 76800 | 0,28 | 9,11 | 218,64 | 5906675177120 |
| R-FX-N-05L035 | sz | 100 | 2400 | 57600 | 0,30 | 7,20 | 172,80 | 5906675177144 |
| R-FX-N-05L040 | sz | 100 | 3200 | 76800 | 0,33 | 10,86 | 260,66 | 5906675177168 |
| R-FX-N-05L050 | sz | 100 | 2400 | 57600 | 0,41 | 10,26 | 246,24 | 5906675177021 |
| R-FX-N-05L050B | sz | 100 | 2400 | 57600 | 0,37 | 9,12 | 218,88 | 5906675177281 |
| R-FX-N-05L050W | sz | 100 | 3200 | 76800 | 0,38 | 12,50 | 300,00 | 5906675177304 |
| R-FX-N-06L035 | sz | 100 | 2400 | 57600 | 0,41 | 10,10 | 242,45 | 5906675177489 |
| R-FX-N-06L040 | sz | 100 | 1600 | 38400 | 0,45 | 7,62 | 182,90 | 5906675169224 |
| R-FX-N-06L040-A2 | sz | 100 | 1600 | 38400 | 0,44 | 7,41 | 177,72 | 5906675336305 |
| R-FX-N-06L050 | sz | 100 | 1200 | 28800 | 0,54 | 6,85 | 164,50 | 5906675253428 |
| R-FX-N-06L055 | sz | 100 | 1200 | 28800 | 0,56 | 7,09 | 170,16 | 5906675177526 |
| R-FX-N-06L060 | sz | 100 | 1200 | 28800 | 0,60 | 7,58 | 181,80 | 5906675169248 |
| R-FX-N-06L060-A2 | sz | 100 | 1200 | 28800 | 0,61 | 7,66 | 183,86 | 5906675336312 |
| R-FX-N-06L080 | sz | 100 | 1200 | 28800 | 0,75 | 9,36 | 224,69 | 5906675177540 |
| R-FX-N-08L045 | sz | 100 | 1200 | 28800 | 0,88 | 10,94 | 262,56 | 5906675155807 |
| R-FX-N-08L060 | sz | 100 | 1200 | 28800 | 1,04 | 12,77 | 306,58 | 5906675169262 |
| R-FX-N-08L060-A2 | sz | 100 | 1200 | 28800 | 1,02 | 12,66 | 303,74 | 5906675336367 |
| R-FX-N-08L080 | sz | 50 | 600 | 14400 | 0,65 | 8,21 | 197,04 | 5906675169286 |
| R-FX-N-08L080-A2 | sz | 50 | 600 | 14400 | 0,68 | 8,56 | 205,32 | 5906675336374 |
| R-FX-N-08L100 | sz | 50 | 600 | 14400 | 0,79 | 9,81 | 235,39 | 5906675169309 |
| R-FX-N-08L100-A2 | sz | 50 | 600 | 14400 | 0,80 | 9,97 | 239,35 | 5906675336381 |
| R-FX-N-08L120 | sz | 50 | 600 | 14400 | 0,93 | 11,41 | 273,77 | 5906675169323 |
| R-FX-N-08L140 | sz | 50 | 600 | 14400 | 1,11 | 13,60 | 326,50 | 5906675171708 |
| R-FX-N-08L160 | sz | 50 | 600 | 14400 | 1,29 | 15,82 | 379,68 | 5906675171746 |
| R-PDM5-FXNB08L100 | op | 10 | 10 | 240 | 4,28 | 4,28 | 102,72 | 5906675386416 |
| R-S1-FX-N06L040/10 | op | 5 | 30 | 2640 | 0,25 | 1,50 | 132,00 | 5906675093871 |
| R-S1-FX-N06L040/16 | op | 5 | 25 | 2200 | 0,35 | 1,96 | 172,48 | 5906675064178 |
| R-S1-FX-N06L040/20 | op | 5 | 25 | 3000 | 0,43 | 2,15 | 258,00 | 5906675093888 |
| R-S1-FX-N06L040/30 | op | 5 | 20 | 2400 | 0,63 | 2,75 | 330,00 | 5906675399553 |
| R-S1-FX-N06L060/10 | op | 5 | 30 | 2640 | 0,31 | 2,09 | 183,74 | 5010445214608 |
| R-S1-FX-N06L060/20 | op | 5 | 20 | 1760 | 0,61 | 2,63 | 231,79 | 5010445215520 |
| R-S1-FX-N06L060-12 | op | 5 | 30 | 2640 | 0,35 | 2,33 | 205,04 | 5906675071411 |
| R-S1-FX-N06L080/10 | op | 5 | 25 | 2200 | 0,39 | 1,96 | 172,48 | 5906675093895 |
| R-S1-FX-N08L060/10 | op | 5 | 25 | 3000 | 0,55 | 2,85 | 342,00 | 5906675093901 |
| R-S1-FX-N08L060/20 | op | 5 | 15 | 1320 | 1,04 | 3,30 | 290,40 | 5906675093918 |
| R-S1-FX-N08L080/10 | op | 5 | 25 | 2200 | 0,68 | 3,64 | 319,97 | 5010445214707 |
| R-S1-FX-N08L080/16 | op | 5 | 20 | 2400 | 1,07 | 4,26 | 511,20 | 5906675093925 |
| R-S1-FX-N08L080/20 | op | 5 | 10 | 720 | 1,37 | 2,93 | 210,60 | 5010445215544 |
| R-S1-FX-N08L080-12 | op | 5 | 20 | 1760 | 0,80 | 3,42 | 300,96 | 5906675071435 |
| R-S1-FX-N08L100/10 | op | 5 | 20 | 1760 | 0,78 | 3,34 | 293,57 | 5010445214806 |
| R-S1-FX-N08L120/10 | op | 5 | 20 | 2400 | 0,92 | 3,85 | 462,00 | 5010445214905 |
| R-S3-FX-N05L040/10 | op | 5 | 5 | 2640 | 0,20 | 0,20 | 528,00 | 5906675382869 |
| R-S3-FX-N06L080/10 | op | 5 | 25 | 2200 | 0,41 | 2,22 | 195,01 | 5906675382883 |
| R-S5-FXNB06L040/20 | op | 5 | 25 | 2200 | 0,45 | 2,41 | 212,26 | 5906675397375 |
| R-S5-FXNB06L060/20 | op | 5 | 20 | 1760 | 0,58 | 2,53 | 222,99 | 5906675397399 |
| R-S5-FXNB06L080/10 | op | 5 | 25 | 2200 | 0,40 | 2,17 | 190,96 | 5906675397405 |
| R-S5-FXNB08L060/20 | op | 5 | 15 | 1560 | 1,05 | 3,34 | 347,57 | 5906675397412 |
| R-S5-FXNB08L080/20 | op | 5 | 10 | 880 | 1,39 | 2,99 | 263,47 | 5906675397429 |
| R-S5-FXNB08L100/10 | op | 5 | 20 | 2560 | 0,77 | 3,30 | 422,40 | 5906675397436 |
| R-S5-FXNB08L120/10 | op | 5 | 20 | 1760 | 0,92 | 3,89 | 342,32 | 5906675397443 |
| R-S5-FXNB08L140/6 | op | 5 | 20 | 2240 | 0,69 | 2,93 | 328,61 | 5906675397450 |
| R-S9-FX-N05L040/10 | op | 5 | 30 | 2640 | 0,20 | 0,20 | 528,00 | 5906675209173 |
| R-S9-FX-N06L040/20 | op | 5 | 25 | 2200 | 0,45 | 2,41 | 212,26 | 5906675210728 |
| R-S9-FX-N06L060/10 | op | 5 | 30 | 2640 | 0,32 | 2,12 | 186,38 | 5906675210759 |
| R-S9-FX-N06L060/20 | op | 5 | 20 | 1760 | 0,61 | 2,63 | 231,79 | 5906675210919 |
| R-S9-FX-N06L060-12 | op | 5 | 30 | 2640 | 0,35 | 2,33 | 205,04 | 5906675210742 |
| R-S9-FX-N06L080/10 | op | 5 | 25 | 2200 | 0,40 | 2,18 | 191,40 | 5906675210926 |
| R-S9-FX-N08L060/10 | op | 5 | 25 | 2200 | 0,33 | 1,67 | 146,52 | 5906675211473 |
| R-S9-FX-N08L080/10 | op | 5 | 25 | 2200 | 0,69 | 3,63 | 319,79 | 5906675212135 |
| R-S9-FX-N08L100/10 | op | 5 | 20 | 1760 | 0,78 | 3,32 | 292,16 | 5906675213316 |
| R-S9-FX-N08L120/10 | op | 5 | 20 | 1760 | 0,90 | 3,82 | 336,34 | 5906675213330 |

LOGISTICAL DATA 

| SKU | Base-sales unit | Unit pack | Bulk pack | Pallet | Single Package - Gross Weight | Bulk Package - Gross Weight | Palette - Gross Weight | Barcode |
|-------------------|-----------------|-----------|-----------|--------|-------------------------------|-----------------------------|------------------------|---------------|
| R-SL11-FXN-06L080 | op | 1 | 12 | 360 | 0,38 | 4,56 | 136,80 | 5906675548494 |
| R-SL11-FXN-08L080 | op | 1 | 12 | 360 | 0,42 | 4,99 | 149,58 | 5906675463292 |
| R-SL14-FXN-08L080 | op | 1 | 12 | 360 | 0,42 | 4,99 | 149,58 | 5906675508108 |
| R-SL1-FXN-05L040 | op | 1 | 12 | 360 | 0,35 | 4,20 | 126,00 | 5906675438467 |
| R-SL1-FXN-06L040 | op | 1 | 12 | 360 | 0,43 | 5,10 | 153,00 | 5906675438474 |
| R-SL1-FXN-06L060 | op | 1 | 12 | 360 | 0,32 | 3,78 | 113,40 | 5906675438481 |
| R-SL1-FXN-06L080 | op | 1 | 12 | 360 | 0,38 | 4,56 | 136,80 | 5906675438498 |
| R-SL1-FXN-08L060 | op | 1 | 12 | 360 | 0,29 | 3,42 | 102,60 | 5906675438504 |
| R-SL1-FXN-08L080 | op | 1 | 12 | 360 | 0,42 | 4,99 | 149,58 | 5906675438511 |
| R-SL1-FXN-08L100 | op | 1 | 12 | 360 | 0,40 | 4,80 | 144,00 | 5906675438528 |
| R-SL1-FXN-08L120 | op | 1 | 12 | 360 | 0,50 | 5,94 | 178,20 | 5906675438535 |
| R-SL2-FXN-06L040 | op | 1 | 12 | 360 | 0,43 | 5,10 | 153,00 | 5906675466040 |
| R-SL2-FXN-08L080 | op | 1 | 12 | 360 | 0,42 | 4,99 | 149,58 | 5906675466095 |
| R-SL4-FXN-06L040 | op | 1 | 12 | 360 | 0,43 | 5,10 | 153,00 | 5906675487144 |
| R-SL4-FXN-06L060 | op | 1 | 12 | 360 | 0,32 | 3,78 | 113,40 | 5906675487151 |
| R-SL7-FXN-06L040 | op | 1 | 12 | 360 | 0,43 | 5,10 | 153,00 | 5906675456768 |
| R-SL7-FXN-06L060 | op | 1 | 12 | 360 | 0,32 | 3,78 | 113,40 | 5906675469805 |
| R-SL7-FXN-08L060 | op | 1 | 12 | 360 | 0,29 | 3,42 | 102,60 | 5906675456782 |

RELATED PRODUCT 

| | | | | | |
|--------------|-------------|--|---|---|--|
| DRILLING | POWER TOOLS | <p>Rawl-Driver 18V 60Nm 2x5,0Ah R-PDD18-70</p>  | <p>Młotowiertarka 18V SDS plus 2,0J R-PRH18</p>  | | |
| | ACCESSORIES | <p>Drill bits Aggressor SDS Plus RT-SDSA</p>  | <p>Manual blowpump R-BLOWPUM</p>  | | |
| INSTALLATION | HAND TOOLS | <p>Metal and wood saw MN-65-822</p>  | <p>Metal and wood saw MN-65-543</p>  | | |
| | ACCESSORIES | <p>Tape rules MN-81-025</p>  | <p>Spirit level MN-70-512</p>  | <p>Hammer RT-HAM-0500</p>  | <p>Sheet metal scissors MN-63-214</p>  |
| PROTECTION | ACCESSORIES | <p>Protective gloves R-PGL</p>  | <p>Safety glasses MN-06-093</p>  | | |